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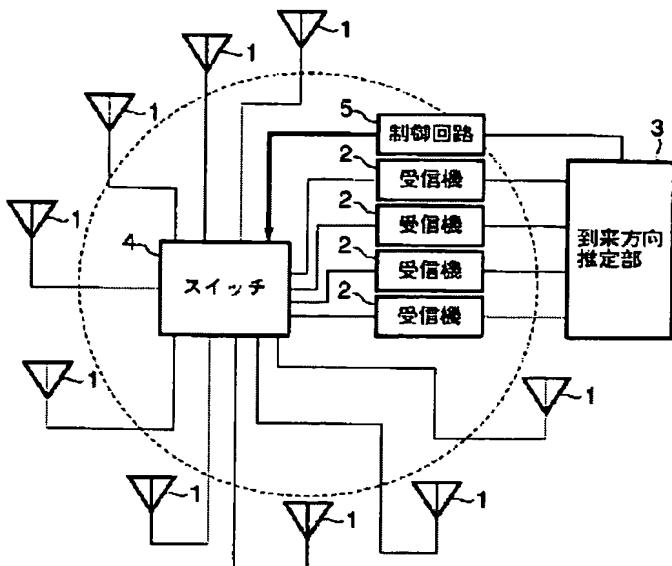
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TITLE : DEVICE AND METHOD FOR
ESTIMATING ARRIVAL DIRECTION



ABSTRACT : PROBLEM TO BE SOLVED: To provide an arrival direction estimating device capable of accurately estimating the arrival direction of radio waves even in the case of using a receiver having a smaller number of elements in comparison with the number of directional antenna.

SOLUTION: This arrival direction estimating device is provided with eight directional antennas 1 arranged in a circle, four receivers 2, a switch 4 for switching the eight directional antenna 8 and the four receivers 2, a control circuit 5 for switching the switch 4, and an arrival direction estimating unit 3 having an antenna selecting function and an arrival direction estimating function. The arrival direction estimating device roughly estimates the arrival direction in a first phase by using the four directional antennas 1 separated by 90 degree, and estimated the arrival direction in detail in a second phase by using the four directional antennas 1 close to an arrival direction showed by a result of the arrival direction estimation.

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